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NOTICE OF ALLOWANCE AND FEE(S) DUE

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05/02/2003

ARMSTRONG, WESTERMAN & HATTORI, LLP 1725 K STREET, NW **SUITE 1000** WASHINGTON, DC 20006

EXAMINER

HO, TU TU V

CLASS-SUBCLASS ART UNIT

2818

257-728000

DATE MAILED: 05/02/2003

APPLICATION NO. FILING DATE 10/090,610 03/06/2002		ATTORNEY DOCKET NO. 020124	CONFIRMATION NO. 4961
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TITLE OF INVENTION: HIGH FREQUENCY SEMICONDUCTOR DEVICE

APPLN, TYPE	SMALL ENTITY	ISSUE FEE \$1300	PUBLICATION FEE \$300	TOTAL FEE(S) DUE \$1600	DATE DUE 08/04/2003
nonprovisional	NO	4. 300			AC A DATENT

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEZ(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Alexandria, Virginia 22313-1450

Fax (703)746-4000

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WASHINGTON, I	OC 20006		United States P	ostal Service with sufficient postage	above, or being facsimile
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			NATION NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	FIRS	T NAMED INVENTOR	020124	4961
	03/06/2002		Yutaka Mimino		
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UNITED STATES DEPARTMENT OF COMMERCE UNITED STATES DEPARLMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER, CFFATEN'S AND TRADEMARKS PO. Box 14'0
Alexandra, Vigonia 22313-1450
www.usplo.gov

		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE		020124	4961
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WASHINGTON,	DC 20000		DATE MAILED: 05/02/2003	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Adlers COMMISSIONER OF PATENTS AND TRADEMARKS PO Bo. 140 Alexandra, Vinna 22313-1450 www.urpto.gov

		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	Yutaka Mimino	020124	4961
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WASHINGTON, UNITED STATES	DC 20006		DATE MAILED: 05/02/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
	10/090,610	MIMINO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Tu-Tu Ho	2818	
	Tu-Tu Ho	2010	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED 5) or other appropriate comr RIGHTS. This application is	in this application. If not included nunication will be mailed in due co	ourse. THIS
 This communication is responsive to <u>Applicant's Amendr</u> The allowed claim(s) is/are <u>1 and 3-7</u>. The drawings filed on <u>06 March 2002</u> are accepted by th Acknowledgment is made of a claim for foreign priority una)	e Examiner. nder 35 U.S.C. § 119(a)-(d)	or (f).	
1. Certified copies of the priority documents ha		tion No	
2. Certified copies of the priority documents had3. Copies of the certified copies of the priority d			on from the
	10Ctiments have been recen	red in this hational stage application	ii iioiii tiio
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority	under 35 U.S.C. § 119(e) (t	o a provisional application).	
(a) The translation of the foreign language provisional			
6. Acknowledgment is made of a claim for domestic priority			
Applicant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONMENT of the substitute of the complex of the comple	of this application. THIS The position of this application. THIS The position is application.	EXAMINER'S AMENDMENT or NC	XIENDADLE.
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsports 1) hereto or 2) to Paper No. 			
(b) ☐ including changes required by the proposed drawing(c) ☐ including changes required by the attached Examin			
Identifying indicia such as the application number (see 37 CFF of each sheet. The drawings should be filed as a separate pap	R 1.84(c)) should be written or per with a transmittal letter ad	n the drawings in the top margin (no dressed to the Official Draftsperson	t the back)
9. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMENT FOR	posit of BIOLOGICAL MARTHE DEPOSIT OF BIOLO	TERIAL must be submitted. No GICAL MATERIAL.	ote the
Attachment(s)			TO 450)
 1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No. 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4☐ Interv 6⊡ Exam 8⊡ Exam 9☐ Other	e of Informal Patent Application (P' iew Summary (PTO-413), Paper N iner's Amendment/Comment iner's Statement of Reasons for Al	lo
	David Nelms Supervisory Patent Examin	er er	
	Technology Cantar 2800		

U.S. Patent and Trademark Office PTO-37 (Rev. 04-01) Application/Control Number: 10/090,610

' Art Unit: 2818

DETAILED ACTION

1. Applicant's Amendment filed 14 April 2003 has been reviewed and placed of record in the file.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

IN THE CLAIMS:

Each of claims 3-5, line 2, "claim 2" has been changed to "claim 1".

Allowable Subject Matter

3. Claims 1 and 3-7 (to be renumbered 1-6) are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach or render obvious a multilayer wiring structure for semiconductor devices having all limitations as recited in claim 1, comprising a semiconductor substrate, an active region powered from a power-supply potential through a plurality of power-supply lines, and a common power-supply line: the plurality of power-supply lines are disposed at different layers of the multilayer wiring structure on the semiconductor substrate and connected in parallel to each other, the common power-supply line is located between the power-supply potential and the active region, and the common power-supply line is connected to the plurality of the power-

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supply lines and has a current-earrying capacity larger than that of each of the plurality of the power-supply lines.

Note that although not explicitly disclosed, "parallel" in the claim is physically parallel, as opposed to electrical parallel connection, which (electrical parallel connection) is the opposite of electrical series connection. Applicant, although not explicitly, made this clarification in the paragraph bridging pages 4 and 5 of the Remarks filed 14 April 2003.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (703) 305-0086. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (703) 308-4910. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

Tu-Tu Ho April 25, 2003 Bavid Neims
Supervisory Patent Examiner
Technology Center 2800